OT PE COM SEA

Attorney's Docket No.: 008209/USA/FEP/GCM/RKK Confirmation No. 5371

<u>Patent</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re	Patent Application of:)						
	Pravin K. Narwankar, et al.) Examiner: Not yet assigned						
Applic	ation No.: 10/772,893) Art Unit: 2812						
Filed:	February 4, 2004)						
For:	or: TAILORING NITROGEN PROFILE IN) SILICON OXYNITRIDE USING RAPID) THERMAL ANNEALING WITH AMMONIA) UNDER ULTRA-LOW PRESSURE)							
Comm	top: AMENDMENT hissioner for Patents Box 1450 hdria, VA 22313-1450							
Dear S	STATEMENT UNDER 37 C	.F.R. § 1.97(e)						
paragr	I hereby certify (as indicated by an "X" to the aph):	ne left of the appropriate						
X That each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.								
	First-Class Certificate of	Mailing						
as first-	y certify that this correspondence is being deposited class mail with sufficient postage in an envelope add ssioner for Patents, P.O. Box 1450, Alexandria, Virg October 19, 200 Date of Deposit	dressed to Mail Stop: Amendment, inia, 22313-1450 on:						
	Dianne Neather							
Name of Person Mailing Correspondence								
<u>. &) (</u>	Signature Signature	October 19, 2004 Date						
	\ J							

That no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned attorney after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: October 19, 2004

Mimi Diemmy Dao Reg. No. 45,628

Patent Counsel APPLIED MATERIALS, INC. Legal Affairs Department P. O. Box 450A Santa Clara, CA 95052

Telephone inquires to: Michael A. Bernadicou (408) 720-8300 OIPE

NCT 2 2 2004

Attorney's Docket No. 008209/USA/FEP/GCM/RKK

PATENT

Confirmation No.: 5371

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Pravin K. Narwankar, et al.

Examiner: Not yet assigned

Application No.: 10/772,893

Art Unit: 2812

Filed: February 4, 2004

For: TAILORING NITROGEN PROFILE IN

SILICON OXYNITRIDE USING RAPID THERMAL ANNEALING WITH AMMONIA

UNDER ULTRA-LOW PRESSURE

Mail Stop: AMENDMENT Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

First Class Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop: AMENDMENT, Commission for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450

Dianne Neathery

(Typed or printed name of person mailing correspondence)

(Signature of person mailing correspondence)

October 19, 2004

(Date of signature)

BSTZ Ref. No. 04887.P776

- 1 -

LJV/cak (02/24/04)
Atty. Docket: 008209

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

	37 C.F.R. §1.97(b).
X	37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is <u>one</u> of the following:
<u>X</u>	A statement pursuant to 37 C.F.R. §1.97(e) or
	A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).
	37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:
	(1) A statement pursuant to 37 C.F.R. §1.97(e); and
	(0) A (0400.00 (11 (

(2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Dated: October 19, 2004

Mimi Diemmy Dáo Reg. No. 45,628

Respectfully submitted,

Patent Counsel APPLIED MATERIALS, INC. Legal Affairs Department P. O. Box 450A Santa Clara, CA 95052

Telephone Inquiries to: Michael A. Bernadicou (408) 720-8300

Substitute	for Form	1449/PTC)	Complete if Known				
I A P	AVE O	RMΔ.	TION DISCLO	Application Number	10/772,893			
/0				Filing Date	02-04-2004			
007 7 7	WATAT	EME	NT BY APPLI	First Named Inventor:	Pravin K. Narwankar			
RA.	S1	(use as	many sheets as necessary)	Art Unit	2812			
E.	THE THE			Examiner Name	Not yet assigned			
Sheet	Sheet 1		of	2	Attorney Docket Number	008209/USA/FEP/GCM/RKK		
U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Docum	Pages, Columns, Lines, Where ent Relevant Passages or		
		Number-Kind Code ² (If known)				Relevant Figures Appear		
	1	US	6,323,143 B1	11-27-2001	Yu, Mo-Chiun			
	2	US	6,372,578 B1	04-16-2002	Muramatsu, Satoru	,		
	3	US-	6,372,581 B1	04-16-2002	Bensahel, Daniel, et	al.		
	4	US-	2002/0197884 A1	12-26-2002	Niimi, Hiroaki, et al.			
		US-						
	-	US						
		US-						
		US-						
		US-						
		US-						
		US-						

		FO	REIGN PATEN	T DOCUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Тв
	5	DE 43 33 160 A1	03-30-1995	Siemens AG		Υ
Examiner Signature				Date Cons	sidered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO					Complete if Known				
ANFORMATION DISCLOSURE				OSURE	Application Number	10/772,893			
Z. 1 F + N					Filing Date	02-04-2004			
STATEMENT BY APPLICANT or 22 2004 (or as many sheets as necessary)					First Named Inventor:	Pravin K. Narwankar			
					Art Unit	2812			
					Examiner Name	Not yet assigned			
Speet	2		of	2	Attorney Docket Number	008209/USA/FEP/GCM/R	KK		
THAUE				NON PATENT LIT	TERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published							
	6	Materia	SAGNES, I, et al. "Controlled Thin Oxidation and Nitridation in a Single Wafer Cluster Tool" Materials Research Society Symposium Proceedings, Materials Research Society, Pittsburg, PA, US. Vol. 387, April 17, 1995 pages 253-258.						
	7	SU, H. P., et al. "High-Performance Nitrided Oxides Fabricated by Very-Low-Pressure Nitridation Technique" Japanese Journal of Applied Physics, Vol. 34, No. 4A, April 1, 1995 pgs. 1816-1821.							
	8	PCT Search Report, PCT/US2004/003442, mailed August 25, 2004, (6 pages).							
Examiner						Date	•		
Signature						Considered			

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.